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PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL
(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 42390P9878
(maximum 12 characters)

First Named Inventor Manoj Khare et al.

Title: A Mechanism For Efficiently Supporting The Full MESI (Modified, Exclusive, Shared, Invalid) Protocol In A
Cache Coherent Multi-Node Shared Memory System

Express Mail Label No. EL580086899US

ADDRESS TO: **Assistant Commissioner for Patents**
Box Patent Application
Washington, D. C. 20231

APPLICATION ELEMENTS

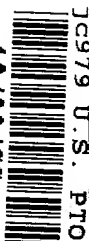
See MPEP chapter 600 concerning utility patent application contents.

1. X **Fee Transmittal Form (e.g., PTO/SB/17)**
(Submit an original, and a duplicate for fee processing)
2. **Applicant Claims Small Entity Status. (37 CFR 1.27)**
3. X **Specification (Total Pages 22)**
(preferred arrangement set forth below)
 - Descriptive Title of the Invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference sequence listing, a table,
or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. X **Drawings(s) (35 USC 113) (Total Sheets 9)**
5. X **Oath or Declaration (Total Pages 6)**
 - a. Newly Executed (Original or Copy)
 - b. Copy from a Prior Application (37 CFR 1.63(d))
(for Continuation/Divisional with Box 17 completed)
 - i. **DELETIONS OF INVENTOR(S)** Signed statement attached deleting
inventor(s) named in the prior application, see 37 CFR 1.63(d)(2)
and 1.33(b).
 - c. X Unsigned.
6. **Application Data Sheet. (37 CFR 1.76)**
7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies), or
 - ii. paper
 - c. Statement verifying identity of above copies

Docket No.: 42390P9878

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12/29/00



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JC654 U.S. PTO
09/752534



Figure 1 consists of 12 scatter plots, labeled (a) through (l), arranged in a 4x3 grid. Each plot shows the relationship between the number of children (N) on the y-axis and the number of children who are also parents (Np) on the x-axis. The data points are represented by open circles. The plots show a general trend where Np is less than or equal to N, with some plots showing a more pronounced relationship than others. The plots are labeled (a) through (l) in the bottom right corner of each plot.

- 18A. If a CONTINUING APPLICATION,** check appropriate box and supply the requisite information:

(which is a ____ continuation/ ____ divisional/ ____ CIP of prior application no. _____,
(which is a ____ continuation/ ____ divisional/ ____ CIP of prior application no. _____) (List entire chain of priority)

18B. Statement under 37 CFR 3.73(b) for continuing application:

19.	Correspondence Address
-----	------------------------

X Correspondence Address Below

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Seventh Floor

CITY Los Angeles STATE California ZIP CODE 90025-1026

Country	U.S.A.	TELEPHONE	(303) 740-1980	FAX	(303) 740-6962
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Name (PRINT/TYPE): Mark J. Fink Registration No.: 45,270

Signature: [Signature] Date: December 29, 2000

FEE TRANSMITTAL FOR FY 2001**TOTAL AMOUNT OF PAYMENT (\$)** 898.00**Complete if Known:**Application No. Not Yet AssignedFiling Date Concurrently HerewithFirst Named Inventor Manoj KhareGroup Art Unit Not Yet AssignedExaminer Name Not Yet AssignedAttorney Docket No. 42390P9878**METHOD OF PAYMENT (check one)**

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 02-2666

Deposit Account Name _____

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

- ☐ Applicant claims small entity status. See 37 CFR 1.27

2. X Payment Enclosed: X Check
 _____ Credit Card
 _____ Money Order
 _____ Other

FEE CALCULATION**1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	710	201	355	Utility application filing fee	<u>710.00</u>
106	320	206	160	Design application filing fee	_____
107	490	207	245	Plant filing fee	_____
108	710	208	355	Reissue filing fee	_____
114	150	214	75	Provisional application filing fee	_____
SUBTOTAL (1)					<u>\$ 710.00</u>

2. EXTRA CLAIM FEES

			Extra Claims	Fee from below	Fee Paid
Total Claims	<u>26</u>	- 20** =	<u>6</u>	X <u>18.00</u>	= <u>108.00</u>
Independent Claims	<u>4</u>	- 3** =	<u>1</u>	X <u>80.00</u>	= <u>80.00</u>
Multiple Dependent					= _____

**Or number previously paid, if greater; For Reissues, see below.

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
103	18	203	9	Claims in excess of 20	<u>0.00</u>
102	80	202	40	Independent claims in excess of 3	<u>0.00</u>
104	270	204	135	Multiple dependent claim, if not paid	<u>0.00</u>
109	80	209	40	**Reissue independent claims over original patent	<u>0.00</u>
110	18	210	9	**Reissue claims in excess of 20 and over original patent	<u>0.00</u>
SUBTOTAL (2)					<u>\$ 188.00</u>

FEE CALCULATION (continued)

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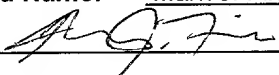
3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	130	123	130	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	For filing a submission after final rejection (see 37 CFR 1.129(a))	
149	710	249	355	For each additional invention to be examined (see 37 CFR 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify) _____					
Other fee (specify) _____					

SUBTOTAL (3) \$ _____

*Reduced by Basic Filing Fee Paid

SUBMITTED BY:

Typed or Printed Name: Mark J. Fink
 Signature:  Date: December 29, 2000
 Reg. Number: 45,270 Telephone Number: 303-740-1980

EXPRESS MAIL CERTIFICATE OF MAILING

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on Express Mail mailing label number EL580086899US and information should be included on Express Mail mailing label number EL580086899US hereby certifying that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to the Assistant Commissioner for Patents, Washington, DC 20231.

December 29, 2000

Date of Deposit

Debbie Pelogian
 Name of Person Mailing Correspondence

Debbie Pelogian 12-29-00

Signature

Date

Docket No.: 42390P9878
 Express Mail No.: EL580086899US